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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/575,491	05/18/2000	Jonathan Wu	P3921	9699

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EXAMINER

BASHORE, WILLIAM L

ART UNIT	PAPER NUMBER
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2176

DATE MAILED: 12/16/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/575,491

Applicant(s)

WU ET AL.

Examiner

William L. Bashore

Art Unit

2176

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 August 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4, 5.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

Art Unit: 2176

DETAILED ACTION

1. This action is responsive to communications: original application filed 5/8/2000. Instant application is a CIP of 09/323,598 (filed 6/1/1999), now U.S. Patent No. 6,199,077, which is a CIP of 09/208,740 (filed 12/8/1998), now U.S. Patent No. 6,412,073. The instant application is also a CIP of 09/550,348 (filed 4/14/2000), pending.
2. Examiner acknowledges Applicant's IDS filed 10/4/2002 (paper 4), and 8/1/2003 (paper 5).
3. Claims 1-10 are pending. Claims 1, 7 are independent claims.

Specification

4. The disclosure is objected to because of the following informalities: Serial No. 09/208,740 referenced on page 1 of the instant specification should be updated to reflect that said serial number is now U.S. Patent No. 6,412,073. Appropriate correction is required.
5. Claim 8 is objected to because of the following informalities: Claim 8 recites the method of "*client 7*". The examiner believes this is an unintentional misspelling of "*claim 7*". Appropriate correction is required.

Claim Rejections - 35 USC § 112

6. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
7. **Claim 4 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.**

Art Unit: 2176

In regard to dependent claim 4, claim 4 recites (in pertinent part) a client-side utility "integrated" with a standard book-marking utility. However, claim 3 (from which claim 4 depends) recites the same utility as "separate" from said standard book-marking utility, rendering claim 4 indefinite and contradictory to its parent claim, since it is unclear how said utility can simultaneously be both integrated and separate from a book-marking utility.

Examiner's Note

8. The following rejections are based upon a possible interpretation of claim 4 as directed to said client-side utility integrated with a browser. The examiner also rejects claim 8 based on a possible interpretation of "client 7" as "claim 7".

Claim Rejections - 35 USC § 103

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

10. Claims 1-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Joachims, T. et al. (hereinafter Joachims), WebWatcher: A Tour Guide for the World Wide Web, Proceedings of the 1997 IJCAI, August 1997, pages 1-6, in view of Lieberman, agents, ACM Conference on Human Factors and Computing Systems, March 27, 1997, pages 67-74.

In regard to independent claim 1, Joachims teaches a server based application for helping a user to surf the web, by capturing URLs selected by a user (Joachims page 2 left column, near bottom, also right column at section 3 "Accompanying the user"; compare with claim 1 preamble "*A method for practicing...user-*

Art Unit: 2176

selected URLs comprising the steps of:”, and *“a server-side utility for receiving URLs captured by the client-side utility”*).

Joachims does not specifically teach *“data summarization”* of URLs as claimed. However, Joachims teaches fetching a web page (associated with a URL), to which suggestions are made by highlighting certain links (URLs) of said web page (see Joachims page 2 right column, near top, also Figure 1 link item *“projects”*), providing the claimed equivalent of summarizing URL data, since the highlighted link title *“projects”* is a form of summarization of its associated web page data, which in turn is associated with the original presented (URL) web page. It would have been obvious to one of ordinary skill in the art at the time of the invention to interpret Joachims in this fashion, providing a user of Joachim’s WebWatcher the benefit of web page summarization to aid in user decision making (compare with claim 1 preamble *“data summarization”*).

Joachims teaches gathering URL data selected by a user, gathering its associated web page data, and returning said page along with customizations and additions added by WebWatcher to help in user navigation (Joachims page 2 section 2 *“Trace of WebWatcher”*, especially column 2 near top; compare with claim 1 *“a navigation and data-gathering utility for navigating to and gathering data from Web pages associated with the captured URLs”*).

Joachims teaches gathering URL data (at a server) selected by a user, gathering its associated web page data, and returning said page along with customizations and additions added by WebWatcher to help in user navigation, said process involving a form of proxy navigation (Joachims page 2 beginning of section 3 *“Accompanying the User”*, also page 2 section 2 *“Trace of WebWatcher”*, and Figure 2; compare with claim 1 *“characterized in that a user operating....proxy navigation to and data gathering from a WEB page associated with the URL.”*).

Joachims teaches a related application (Letizia), located on a single user’s machine (Joachims page 5 section 5 *“Related Work”*). Joachims does not specifically teach WebWatcher as a client-side application for capturing URLs, nor does Joachims disclose that Letizia’s single user implementation is specifically client-sided. However, Lieberman teaches the same program Letizia, which records user chosen URLs, said program

Art Unit: 2176

running on the client-side (Lieberman page 69 left column, section “Letizia: An autonomous interface agent for Web browsing”, second paragraph, also page 73 section “Related work”; compare with claim 1 “*client-side utility*”). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Lieberman’s client-side method to Joachims WebWatcher, providing Joachims the benefit of client side applications to help lighten the burden on a server.

In regard to dependent claim 2, Joachims teaches WebWatcher utilizing the Internet (World Wide Web) (Joachims page 3 Figure 2).

In regard to dependent claims 3, 4, Joachims teaches that WebWatcher can assist a user running any type of Web browser (Joachims page 5 right column, at bottom). Joachims does not teach a client-side utility separate from a book-marking utility. However, Lieberman teaches client-based Letizia, which interfaces with a browser, said method capturing URLs not utilizing a book-marking utility (Lieberman Figure on page 69, also page 69 sections “Letizia: An autonomous interface agent for Web browsing”, and “Letizia ‘channel surfs’ the Web”). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Lieberman to Joachims, providing Joachims’s WebWatcher the benefit of URL capturing separate from a book-mark list, for increased privacy.

In regard to dependent claim 5, Joachims teaches that WebWatcher can assist a user running any type of Web browser (Joachims page 5 right column, at bottom). Joachims does not teach a client-side utility as a browser plug-in. However, Lieberman teaches client-based Letizia, which interfaces with a browser (Lieberman Figure on page 69). Since Letizia integrates itself with a browser, Letizia can be fairly interpreted within the scope of the art as a “plug-in”. It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Lieberman to Joachims, providing Joachims’s WebWatcher the benefit of client-side plug-in behavior for integrating with a user’s preferred browser.

Art Unit: 2176

In regard to dependent claim 6, Joachims does not specifically teach returning an HTML summary, as claimed. However, Joachims teaches fetching a web page (associated with a URL), to which suggestions are made by highlighting certain links (URLs) of said web page (see Joachims page 2 right column, near top, also Figure 1 link item “projects”), providing the claimed equivalent of HTML summarization, since the highlighted HTML link title “projects” is a form of summarization of its associated web page data, which in turn is associated with the original presented (URL) web page. It would have been obvious to one of ordinary skill in the art at the time of the invention to interpret Joachims in this fashion, providing a user of Joachim’s WebWatcher the benefit of web page summarization to aid in user decision making.

In regard to independent claim 7, claim 7 reflects the method comprising computer executable instructions used in performing the system as claimed in claim 1, and in further view of the following, is rejected along the same rationale.

Joachims teaches a related application (Letizia), located on a single user’s machine (Joachims page 5 section 5 “Related Work”). Joachims does not specifically teach WebWatcher as accepting URLs from outside a server (i.e. a client-side browser application) for capturing URLs, nor does Joachims disclose that Letizia’s single user implementation is specifically client-sided. However, Lieberman teaches the same program Letizia, which records user chosen URLs, said program running on the client-side (Lieberman page 69 left column, section “Letizia: An autonomous interface agent for Web browsing”, second paragraph, also page 73 section “Related work”; compare with claim 7 “*initiating capture of a URL associated with a Web page presented in a browser while browsing the Internet*”). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Lieberman’s client-side method to Joachims WebWatcher, providing Joachims the benefit of client side applications to help lighten the burden on a server.

Joachims teaches highlighting promising links to a user within a page, the links (i.e. a list of hyperlinks) are associated with the URL of a returning page (Joachims page 2 section “Accompanying the User”; compare with claim 7 “*associating the captured URL information with other URL information contained in a list of URL data*”).

In regard to dependent claim 8, Joachims does not specifically teach a machine cache residing on a user's machine. However, the use of hardware and software caches for holding data (i.e. L1, L2, Windows, Netscape caches) are well known in the computer arts, therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to implement a machine cache for holding URL data, so as to acquire the benefit of quick retrieval.

In regard to dependent claim 9, Joachims teaches WebWatcher residing on a Web server acting as a form of a proxy (Joachims page 2 section "Accompanying the User", also Figure 2).

In regard to dependent claim 10, Joachims teaches that WabWatcher can assist any Web user running any type of Web browser (Joachims page 5 right column, at bottom). Joachims does not specifically teach user editing a navigation request (i.e. from said browser). However, it is well known in the software art that placing a mouse over a URL link in a browser (i.e. Netscape, Internet Explorer), results in visual display of the URL path on the bottom bar of the browser screen. A user can then input a modified URL path via a browser's input window, accordingly. It would have been obvious to one of ordinary skill in the art at the time of the invention to utilize this feature within Joachims, providing a user of WebWatcher the benefit of last minute editing.

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Inala et al.	U.S. Patent No. 6,199,077	issued	03-2001
Rangan	U.S. Patent No. 6,412,073	issued	06-2002
Satyavolu et al.	U.S. Patent No. 6,517,587	issued	02-2003
Rajan et al.	U.S. Patent No. 6,633,910	issued	10-2003
Greer et al.	U.S. Patent No. 5,978,828	issued	11-1999
Manohar et al.	U.S. Patent No. 6,572,662	issued	06-2003
Greer et al.	U.S. Patent No. 6,009,429	issued	12-1999

Maarek, Yoelle S. et al., Automatically Organizing Bookmarks per Contents, Fifth International World Wide Web Conference, May 10, 1996, pages 1-16.

Art Unit: 2176

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William Bashore whose telephone number is (703) 308-5807. The examiner can normally be reached on Monday through Friday from 11:30 AM to 8:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild, can be reached on (703) 305-9792.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

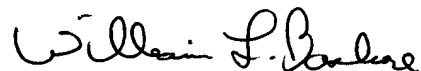
13. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

(703-872-9306) (for formal/after-final communications intended for entry)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Fourth Floor (Receptionist).



William L. Bashore
Patent Examiner, AU 2176
December 8, 2003